

**NOTE:** Pole height is: 10'-1" (3073mm)

TITRE: TITRE:		ENREGISTRÉ		Burlington U V M				24583	
				L70 LMS12030A					
ECHELLE/SCALE:		N°	REVISION	PAR./BY:	DATE:	VER.:	PAR./BY:	N° DE DESSIN / DRAWING N°	PAGE
1/2"=1'-0"	ISO 9002				04-11-03		TV	L70 76725B	1/2
REGISTERED									

# WPLED52

RECEIVED

DEC 22 2014

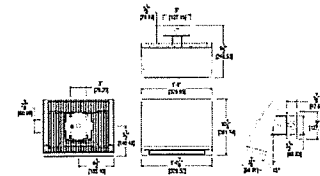
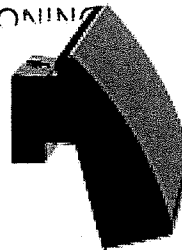
Created: 08/07/2014

LED 52W Wallpacks. 3 cutoff options. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze

Weight: 17.6 lbs

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## LED Info

Watts: 52W  
Color Temp: 5000K (Cool)  
Color Accuracy: 65  
L70 Lifespan: 100000  
LM79 Lumens: 5,896  
Efficacy: 97 LPW

## Driver Info

Type: Constant Current  
120V: 0.51A  
208V: 0.33A  
240V: 0.29A  
277V: 0.24A  
Input Watts: 61W  
Efficiency: 86%

## Technical Specifications

### UL Listing:

Suitable for wet locations.

### Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

### LEDs:

Two (2) multi-chip, high-output, long-life LEDs.

### Drivers:

Two drivers, constant current, 720mA, Class 2, 100 - 277V, 50 - 60 Hz, 100 - 277VAC .8 Amps.

### THD:

8.3% at 120V, 11% at 277V

### Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

### Surge Protection:

6kV

### Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

### Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The WPLED is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

### Housing:

Precision die cast aluminum housing, lens frame.

### Mounting:

Die-cast aluminum wall bracket with (5) 1/2" conduit openings with plugs. Two-piece bracket with tether for ease of installation and wiring.

### Arm:

Die-cast aluminum with wiring access plate.

### Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

### Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

### Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

### Reflector:

Specular vacuum-metallized polycarbonate

### Gaskets:

High temperature silicone.

### Lens:

Tempered glass

### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

### Green Technology:

WPLEDs are Mercury and UV free.

### IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

**RAB**  
LIGHTING

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Note: Specifications are subject to change without notice

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**SEC. 8.1.8 MINIMUM OFF-STREET PARKING REQUIREMENTS****DEPARTMENT OF  
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Table 21 summarizes projects that may be built by 2019; because many elements of these planned projects are currently undefined, approximate square footages and associated employment were estimated based on a number of assumptions.<sup>16</sup> This is a conservative estimate, as it includes all projects that could potentially be constructed within the 2019 timeframe; in reality, it is likely that not all projects will be developed or pursued by then. The new facilities Gross Square Footage (GSF) estimated for these projects were added to the existing campus facilities described in Section 8.1.4 to calculate minimum parking requirements per the Ordinance.

**TABLE 21: UVM PLANNED PROJECTS 2014-2019**

Building Project	Primary Use	Change in GSF	Change in # of Beds	Change in # Parking Spaces
Multi-Purpose Event Center <sup>1</sup>	Athletic	200,000	0	0
STEM <sup>2</sup>	Administrative/Academic	100,000	0	0
Kalkin Addition	Administrative/Academic	21,750	0	0
61 Summit Street <sup>3</sup>	Administrative/Academic	5,300	0	16
UVM Rescue Building	Administrative/Academic	3,400	0	-38
Billings <sup>4</sup>	Administrative/Academic	0	0	0
Housing Master Plan – Phase I <sup>5</sup>	Residential	250,000	up to 730	0
Athletic Recreation Center	Athletic	58,000	0	0
Virtue Field Outdoor Seating <sup>6</sup>	Athletic	6,165	0	0
<b>Total New GSF</b>		<b>656,615</b>	<b>730</b>	<b>-22</b>
Demolition Project	Primary Use			
Angell Hall <sup>2</sup>	Administrative/Academic	-11,079	0	0
Housing Master Plan – Phase II <sup>5</sup>	Residential	-77,936	-391	0
<b>Total Demolished GSF</b>		<b>-89,015</b>	<b>-391</b>	<b>0</b>
<b>Net Change GSF</b>		<b>555,600</b>	<b>339</b>	<b>-22</b>

- Notes: (1) Assumes new 6,500 to 7,500-seat facility.  
 (2) Total STEM project will include the renovation of Cook and Votey Buildings, the demolition of Angell Lecture Center, and the addition of a new 100,000 square-foot facility.  
 (3) Additional square footage in new pavilion addition; renovation of existing building will not add new space.  
 (4) Renovation; does not include any new additional space.  
 (5) Approximate square footage for new housing south of Main Street near Harris-Millis and Marsh-Austin-Tupper Residence Halls; assume that Chittenden, Buckham, and Wills Residence Halls (up to 391 beds) will be demolished within five years, with replacement occurring more than five years in the future.  
 (6) Includes the following accessory buildings: bathrooms, lockers, and a concession stand.

In the next five years, UVM expects a number of new projects with minimal changes to the parking inventory. These projects include ones that carried over from the last five-year projection: the Multi-Purpose Event Center, STEM Initiative, and the Athletic Recreation Center. In addition to these projects, UVM has several projects currently in design, including the Kalkin Addition, 61 Summit Street, and the Rescue Building. The Virtue Field Outdoor Seating has obtained a municipal permit. Billings, the Athletic Recreation Center, and the Housing Master Plan – Phase I project are also expected in the next five years.

<sup>16</sup> Planned projects are not assumed to generate any new employment.